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(54) Title: TITLE OF INVENTION: A METHOD OF PREPARATION OF THE HEMI-CALCIUM SALT OF (E)-7-[4-(4-  
FLUOROPHENYL)-6-ISOPROPYL-2- [METHYL(METHYLSULFONYL)AMINOLPYRIMIDIN-5-YL](3R,5S)-3 ,5-,  
DIHYDROXY-6-HEPTENOIC ACID

(57) Abstract: A method of preparation of the hemi-calcium salt of rosuvastatin of formula (I) consists in extracting an aque-  
ous solution of the sodium or potassium salt of (E)-7-[4-(4-fluorophenyl)-6-isopropyl-2- [methyl(methylsulfonyl)amino]pyrimidin-5-  
yl](3R,5S)-3,5-dihydroxy-6-heptenoic acid, with optional admixture of sodium or potassium hydroxide or other sodium or potas-  
sium salts having inorganic anions, with an organic solvent, incompletely miscible with water, selected from the series of R<sup>1</sup>COOR<sup>2</sup>,  
R<sup>1</sup>COR<sup>2</sup> and R<sup>1</sup>OH, wherein R<sup>1</sup> and R<sup>2</sup> independently represent hydrogen or a residue of a C<sub>1</sub>-C<sub>10</sub> aliphatic hydrocarbon, C<sub>6</sub> aro-  
matic hydrocarbon, C<sub>5</sub> or C<sub>6</sub>cyclic hydrocarbon, or a combination of an aliphatic and aromatic or cyclic hydrocarbon, the extract  
being subsequently shaken with an aqueous solution of an inorganic or C<sub>1</sub>-C<sub>5</sub> organic calcium salt, and the product of formula I is  
further isolated by cooling and/or adding an anti-solvent and filtration, and optionally, is converted into its amorphous form.



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